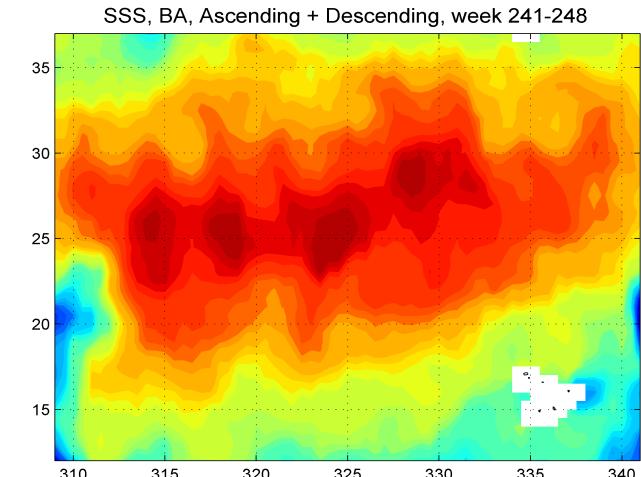
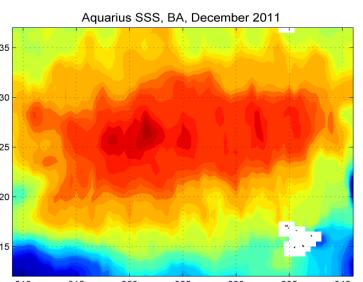
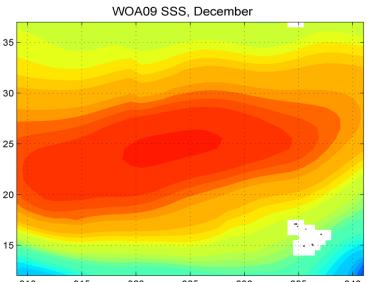
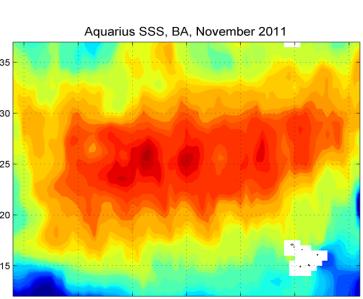
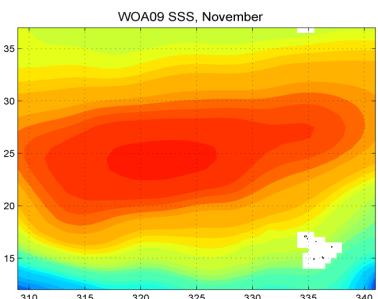
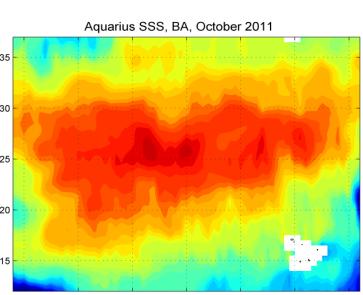
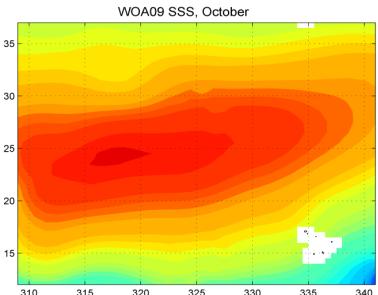
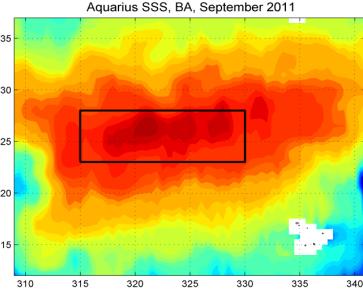
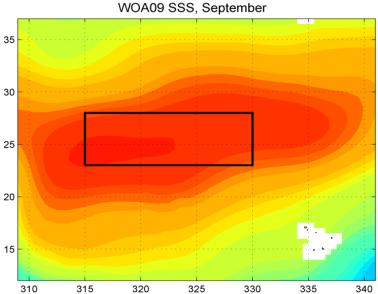
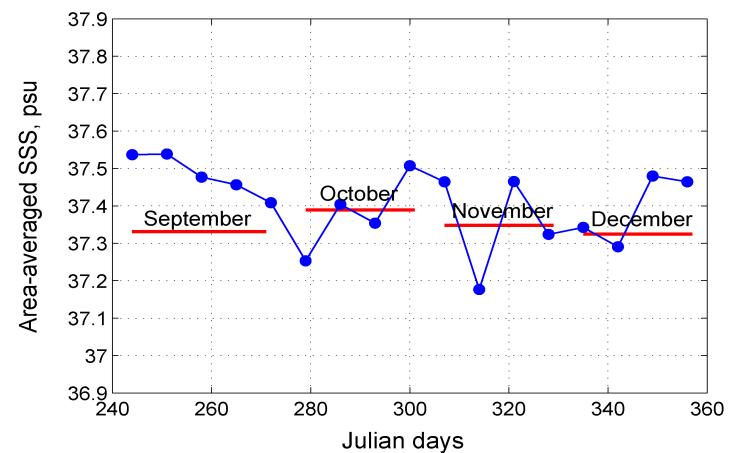


Potential Aquarius and SPURS Synergy at Intermediate Scales

Oleg Melnichenko, Nikolai Maximenko, Jim Potemra, Peter Hacker; University of Hawaii



Week 241-248



Blue dots are Aquarius weekly averages; red lines are WOA09 monthly means (within black box).

Issues-

Aquarius data can provide SSS on time-scales > 7 days and length-scales > \sim 50 km.

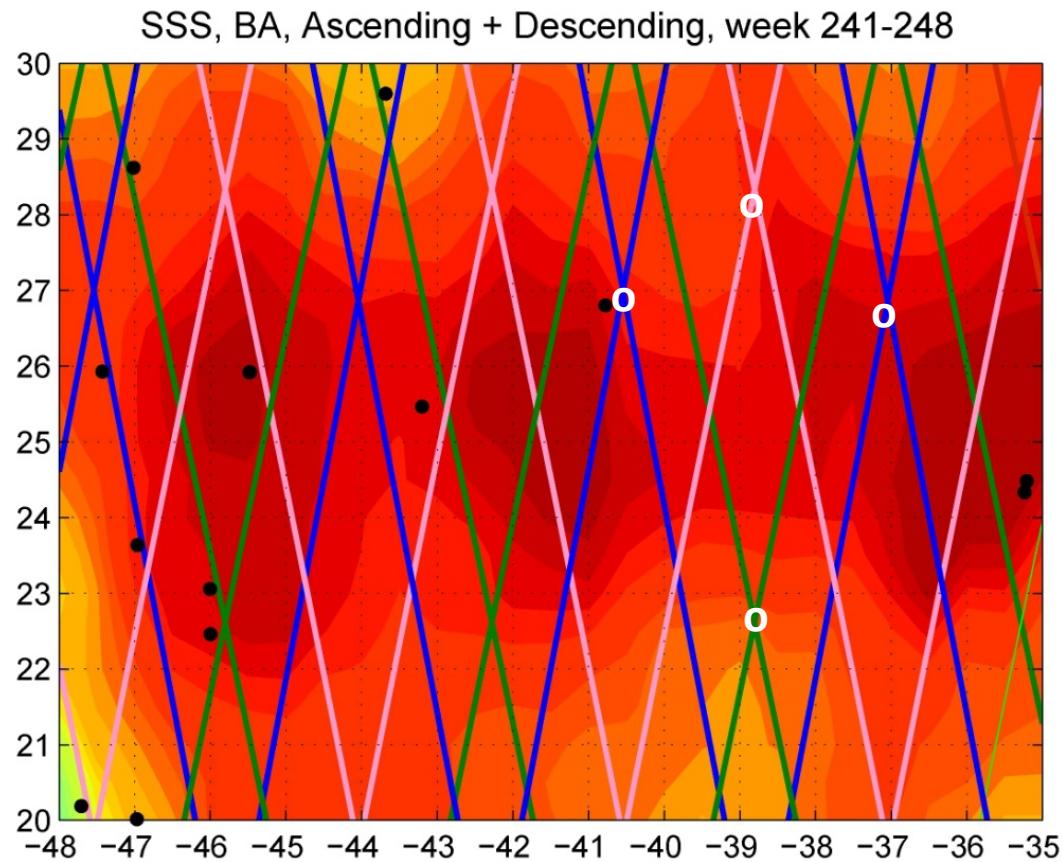
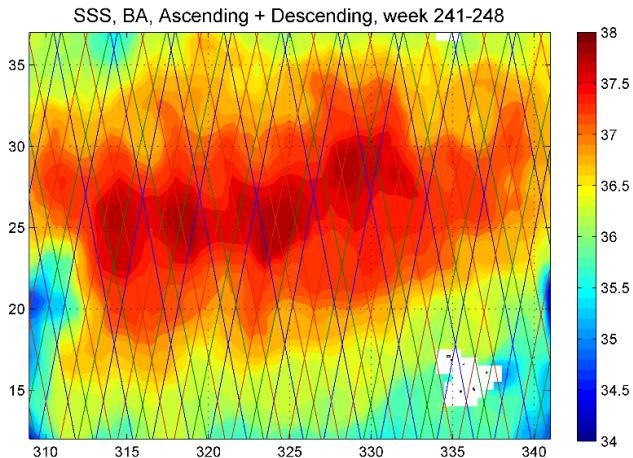
Aquarius SSS data have errors due to:

Drift; ascending/descending differences; algorithm sensitivity to roughness, SST, SSS; other.

SPURS data can help maximize the utility of Aquarius data by:

- 1) space/time intercomparisons of opportunity; and/or
- 2) locating instrumentation along track and/or cross-over locations.

Is that a sensible array design consideration?



SSS, BA, Ascending + Descending, week 241-248

